

Alg2T DLTarget Quiz  
Unit 8 - Ch 7 Day 6 - Properties of Logs

Alg2T DLTarget Quiz  
Unit 8 Ch 7 - Day 8- Solving

1.) Expand the following:  $\log 3x^2y^3$	2.) Condense the following:  $\log_2 3 + 2\log_2 x + 3\log_2 y$
3.) Use the change of base:  a. $\log_3 6$  b. $\log_6 18$	4.) Condense :  a. $3\log_3 2 + \log_3 6 =$  b. $2\log_3 4 + \log_3 3 =$

1.) Solve.  $2^{x+1} = 16^{x+2}$	2.) Solve.  $\log_5 (x + 3) = \log_5 (2x + 5)$
3.) Solve  $\log_2 (2x + 4) = 6$	4.) Solve.  $\log_4 x + \log_4 (x + 6) = 2$